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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/587,959	06/06/2000	Ari Ikonen		9612

7590

05/22/2003

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EXAMINER

SLOAN, NATHAN A

ART UNIT

PAPER NUMBER

2614

DATE MAILED: 05/22/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/587,959

Applicant(s)

IKONEN ET AL.

Examiner

Nathan A Sloan

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 June 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 13 and 14 is/are rejected.
- 7) ☒ Claim(s) 5-12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3,6,8.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

2. The disclosure is objected to because of the following informalities: on page 4, third paragraph short range has been spelled "short rance."

Appropriate correction is required.

3. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables

Art Unit: 2614

having more than 50 pages of text are permitted to be submitted on compact discs.) or

REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a).

"Microfiche Appendices" were accepted by the Office until March 1, 2001.)

(e) BACKGROUND OF THE INVENTION.

(1) Field of the Invention.

(2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.

(f) BRIEF SUMMARY OF THE INVENTION.

(g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).

(h) DETAILED DESCRIPTION OF THE INVENTION.

(i) CLAIM OR CLAIMS (commencing on a separate sheet).

(j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).

(k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

Examiner requests that titles be inserted before the appropriate sections. While it appears all sections have been disclosed, no appropriate titles such as "BACKGROUND OF THE INVENTION," "BRIEF SUMMARY OF THE INVENTION," etc. have been included.

4. Claims 5-12 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot depend from any other multiple dependant claim. See MPEP § 608.01(n). Accordingly, the claims have not been further treated on the merits.

Drawings

5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: items 43-45 of Figure 4. A proposed drawing correction, corrected drawings, or amendment to the specification to add the

Art Unit: 2614

reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-4, 13, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harrison et al. (6,064,420) in view of Singkornrat et al. (6,128,484).

Harrison et al. teach a system and method for providing wireless video distribution.

With respect to claims 1, 13, and 14, the claimed system comprising an external device and television device is met as seen in Figure 9C by system 34. The claimed "coupling device for attaching an external device to a television device" is met by set-top box 35 and hand held request input device 200 of Figure 9C. The television device has an input to "receive certain external information signal in certain first format" via link connecting processor 38 to tv 42. The claimed "communication means for receiving information from the external device" is met by wireless transmitter/receiver 102. Examiner notes that short range radio communication means are notoriously well known in the art for communicating between a remote control and television

Art Unit: 2614

are notoriously well known in the art for communicating between a remote control and television unit. To these means, Singkornrat et al. (6,128,484) teach a system using RF communications from an input unit to a remote unit in column 2, lines 58-59. It would have been obvious for one skilled in the art at the time of the invention to explicitly use RF communication for wireless reception 102 of Harrison as taught by Singkornrat in order to provide a signal reception device capable of transmitting control signals without direct line-of-sight. Furthermore, the claimed "means for converting received information to an information signal in a first format" is met reception unit 102 and processor 38. The claimed "first output for supplying said information signal in the first format to the first input of said television device" is met as noted above by output from processor 38 to television 42.

With respect to claim 2, the claimed "second input for receiving an external picture signal to be relayed to the television device through said first output" is met by input to receiver 36 "from media" as seen in Figure 9C.

With respect to claim 3, Harrison does not teach that the claimed first output is a "SCART-connector." Examiner takes Official Notice that SCART connectors are well known connectors for connecting a variety of audio-visual equipment. It would have been obvious for one skilled in the art at the time of the invention to modify the system of Harrison in view of Singkornrat by including a SCART connector in order to provide bi-directional connection of audio/visual signals amongst system components in European networks.

With respect to claim 4, the claimed first output of the coupling device being an "antenna cable connector" is not taught by Harrison et al. Singkornrat et al. (6,128,484) teach a remote coupling device and a television reception device 14 and 16 using antenna cable connectors as

Art Unit: 2614

claimed. It would have been obvious for one skilled in the art at the time of the invention to use an antenna connector in order to simplify system setup, prevent users from having to connect wires, and make the system portable.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hylton et al. (5,708,961) teach a wireless video distribution system.

Wharton et al. (5,831,664) teach a system and method for synchronizing display data between a television unit and mobile interface device.

Huang et al. (6,437,836) teach a remote control with display and RF communication link for viewing programming data.

Darbee et al. (6,278,499) teach a remote control with display and wireless circuitry for displaying advertising data.

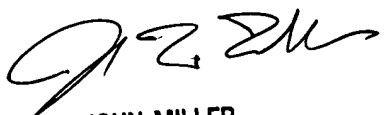
Darbee et al. (6,130,726) teach a remote control with display for operating a consumer electronic device.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan A Sloan whose telephone number is (703)305-8143. The examiner can normally be reached on Monday-Friday from 7:30AM to 6:00PM.

Art Unit: 2614

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller, can be reached on (703) 305-4795. The fax phone number for the organization where this application or proceeding is assigned is (703)308-5399.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-4700.



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